

### M12 female 0° A-cod. with cable

PUR 5x0.34 bk UL/CSA+drag ch. 0.3m

Art.No.: 7000-12241-6350030 Weight: 0.024 Country of origin: CZ Model designation: MSBL0-U635 0.3

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

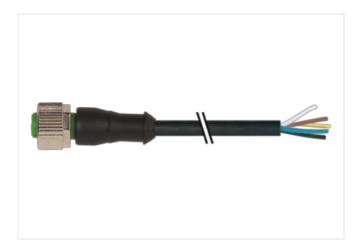
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

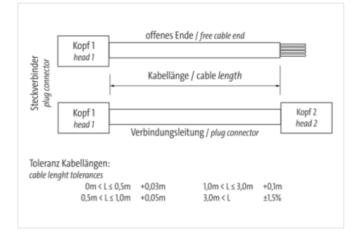
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details: Female straight M12, 5-pole A-coded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

# Link to Product

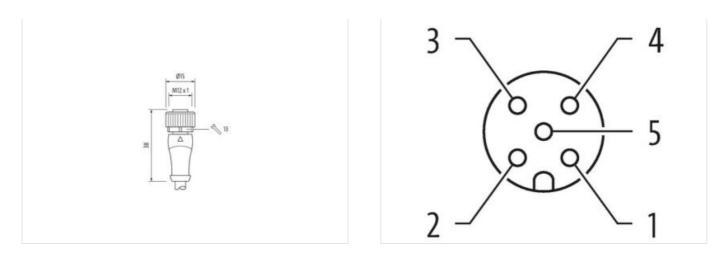
### Illustration





The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-08





1)	BN	
2 >	WH	
3 >	BU	
4 >	ВК	
5	GN YE	

Product may differ from Image



Cable length	0,3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end

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#### Commercial data

Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
EAN	4048879878289
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Gender	female
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
-	
Environmental characteristics   Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
· · ·	
Operating temperature max.	85 °C

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Numerical product standard     and adagered by excessive bending forces.       Conformity     Installation (Cable       Product standard     DN EN 61076-2-101 (M12)       Installation (Cable     Som. black, blue, while, groon-yollow       Dable (dentification     655       Cable (Type     3       Jacket Color     black       Type of Corificate     cURus       Amount stranding     1       Stranding     5 wires around Core filter twisted       Filter     yes       Wrie arrangement     brown, black, blue, white, green-yellow       Cable weighth     418 grm       Material jacket     90 J S Shore A       Freedom from ingredients (gabett)     162 Shore A       Tolerance outer diameter (sheath)     4 5 %       Material wire insulation     9 J S Shore A       Tolerance outer diameter (sheath)     4 5 %       Material wire insulation     125 mm       Outer diameter fortance ore insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DN EN 61076-2-01 (M12)       Installion [ Gable     June Marke, blue, white, green-yellow       Cable Identification     650       Arnount stranding     1       Stranding     5 wites around Core filler Iwisted       Filler     yes       Wris arrangement     brown, black, blue, white, green-yellow       Cable weight     41.8 grm       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     10ad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (isoleki)     4.5 %       Amount Wrise     5       Outer diameter insulation     1.25 mn       Outer diameter insulation     1.25 mn       Outer diameter insulation     1.95 %       Shore hardness wire insulation     1.95 %       Shore hardness wire insulation     1.95 %       Shore funchese core insula	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable     Forwn, black, blue, while, green-yellow       Cable identification     635       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     Swires around Core filler twisted       Filer     yes       wire arrangement     brown, black, blue, while, green-yellow       Cable weight     4.8 grm       Material jacket     PUR       Shore hardness jackot     90 ± 5 Shore A       Freedom from ingrodiunts (jackot)     Isad France, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (heabeth)     5 %       Material wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 Shore D       Ingredient freeness wire insulation     1.24 Shore D       Ingredient freeness wire insulation	Conformity	
wire arrangementbrown, black, blue, white, green-yellowCable Tope3Cable ColorBackType of CertificatecURusAmount stranding1Stranding5 wires around Core Iller twistedFileryeswire arrangementbrown, black, blue, while, green-yellowCable waight41.8 g/mMaterial jacketPURShore hardness jacket90.5 Shore AFreedom from Ingredients (jacket)4.8 mTolerance outer diameter (jacket)4.8 mTolerance outer diameter (jacket)4.8 mTolerance swire insulationPPAmount strands, wire5Outer diameter insulation1.5 mmOuter diameter insulation1.5 fmOuter diameter insulation1.5 fmOuter diameter insulation1.8 fmConductor crossescition (wire)4.2 Shore DDiameter of slop wires5Outer diameter insulation1.2 fmOuter diameter insulation1.2 fmOuter diameter insulation1.2 fmConductor crossescition (wire)4.2 MineDiameter of slop wires5.1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wire5.0 VD VD C2394Current load capacity fistindarding5.0 VD VD C2394Current load capacity fistindarding5.0 VD VD C0 000 ND OperationO	Product standard	DIN EN 61076-2-101 (M12)
Cable Identification     635       Cable Type     3       Lacket Color     black       Type of Certificate     CURus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Filler     Yes       wire arrangement     brown, black, blue, white, green-yellow       Cable Yes     0.4 5 Shore A       Freedom from ingredients (jacket)     lead-free, cantium-rree, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     2.5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     7.4 5 Shore D       Toirance outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 Shore D       Tingredient treeness wire insulation     1.25 Shore D       Toirance outer wire     0.1 mm       Conductor orxsection (wire)     0.34 mm <sup>-1</sup> Material wire insulation     1.25 Shore D       Tingredient treeness wire insulation     1.01 Strate copper wire, bare <td>Installation   Cable</td> <td></td>	Installation   Cable	
Cable Identification     635       Cable Type     3       Lacket Color     black       Type of Certificate     CURus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Filler     Yes       wire arrangement     brown, black, blue, white, green-yellow       Cable Yes     0.4 5 Shore A       Freedom from ingredients (jacket)     lead-free, cantium-rree, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     2.5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     7.4 5 Shore D       Toirance outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 Shore D       Tingredient treeness wire insulation     1.25 Shore D       Toirance outer wire     0.1 mm       Conductor orxsection (wire)     0.34 mm <sup>-1</sup> Material wire insulation     1.25 Shore D       Tingredient treeness wire insulation     1.01 Strate copper wire, bare <td>wire arrangement</td> <td>brown, black, blue, white, green-vellow</td>	wire arrangement	brown, black, blue, white, green-vellow
Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arangement     brown, black, blue, white, green-yellow       Cable weigth     41.8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4.8 mm       Toterance outer diameter (jacket)     4.8 mm       Toterance outer diameter (sheath)     2 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     7 ± 5 Shore D       Ingredient freeness wire insulation     7 ± 5 Shore D       Ingredient freeness wire insulation     7 ± 5 Shore D       Ingredient freeness wire insulation     4 ± 4       Diameter of single wires     0, 1 mm       Conductor wires     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     <		
Jackat Oolor     black       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weight     41,8 g/m       Material jackt     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmum-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer (jakent)     4.5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.25 Smr       Outer diameter insulation     1.25 Shore D       Ingredient freeness wire insulation     1.42 R       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm <sup>3</sup> Material conductor wire     0,34 mm <sup>3</sup> Material conductor wire     5 A w       Conductor		
Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weight     41,8 g·m       Material jackat     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4,8 mm       Tolerance outer diameter (sheath)     ± 5 %       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,24 mm       Conductor cores wire insulation     1,34 mm <sup>2</sup> Conductor cores wire insulation     1,43 mm <sup>2</sup> Conductor twire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stramed copper wire, b		
Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arrangement   brown, black, blue, white, green-yellow     Cable weight   41,8 g/m     Material jackt   PUR     Shore hardness jackt   90 ± 5 Shore A     Freedom from ingredients (jackt)   lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free     Outer diameter (gackt)   4.8 mm     Tolerance outer diameter (sheath)   ± 5 %     Material jackt   PP     Amount twires   5     Outer diameter (sheath)   ± 5 %     Material jackt   70 ± 5 Shore D     Ingredient freeness wire insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Conductor type (wire)   0.34 mm²     Material conductor wire   0.1 mm     Conductor type (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   0.34 mm²     Conductor type (wire)   35 A     Conductor type (wire)<		
Stranding   5 wires around Core filler twisted     Filer   yes     wire arangement   brown, black, blue, white, green-yellow     Cable weigth   41,8 g/m     Material Jacket   90 £ 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,8 mm     Tolerance outer diameter (sheath)   2 5 %     Material wire insulation   PP     Amount Wires   5     Outer diameter logence outer diameter (sheath)   2 5 %     Material wire insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 %     Mount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor wire action action wire   57 (Nm @ 20 °C     Courrent load capacity (standard)   to DN VDE 0298-4     Current load capacity (standard)   to DN VDE 0298-4     Current load capacity (standard)   2,5 kV @ 60 s     Power trequency withstand voltage (w		
Filler     yes       wire arangement     brown, black, blue, white, green-yellow       Cable weight     41,8 g m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadinum-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (cheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter (loarne core insulation     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter (loarne core insulation     1.25 mm       Outer diameter loarne core insulation <td< td=""><td>ŭ</td><td></td></td<>	ŭ	
wire arrangementbrown, black, blue, while, green-yellowCable weight41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-tree, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (jacket)4,8 mmOuter diameter (jacket)4,8 mmOuter diameter (jacket)5Material wire insulationPPAmount wires5Outer diameter folerance core insulation1,25 mmOuter diameter folerance core insulation10 ± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Conductor orsossection (wire)42Diameter of single wires0,1 mmConductor viressection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor trossection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor trossection (wire)0,34 mm²Electrical resistance line constant wire for 20 km @ 20 °CAC withstand voltage (wire-2,5 kV @ 60 sPower frequency withstand voltage (wire-25 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed) <td></td> <td></td>		
Cable weight   41.8 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.8 mm     Tolerance outer diameter (sheath)   4.5 %     Material wire insulation   PP     Amount wires   5     Outer diameter loaizance or insulation   1.25 mm     Outer diameter loaizance or insulation   1.2 % m     Dimeter of single wires   0,1 mm     Conductor wire   Strande Coper wire, bare     Conductor wire   Strande Coper wire, bar		•
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     4.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.24 mm       Conductor crosssection (wire)     0.34 mm²       Conductor vorssection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor rosssection (wire)     0.34 mm²       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (maximic)     4.5 A       Power frequency withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - kiss)     50 °C °C C       A with stand voltage (wire - wire)     2.5 kV @ 60 s	U	
Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 4,8 mm   Tolerance outer diameter (jacket) 4,8 mm   Material wire insulation PP   Amount wires 5   Outer diameter (solutation 1,25 mm   Outer diameter insulation 1,25 mm   Outer diameter insulation 1,25 mm   Outer diameter insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 10 ± 5 %   Shore hardness wire insulation 10 ± 5 %   Conductor cossescition (wire) 42   Diameter of single wires 0,1 mm   Conductor cossescition (wire) 0,34 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor type (wire) stranded copper wire, bare   Conductor type (wire) stranded copper wire, bare   Current toad capacity (istandard) to DIN VDE 0298-4   Current toad capacity (istandard) to DIN VDE 0298-4   Current toad capacity min. wire 5,5 kV @ 60 s   Power frequency withstand voltage (wire) 2,5 kV @ 60 s   Power frequency withstand voltage (wire) 2,5 kV @ 60 s   M		
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1.25 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor consescetion (wire)     0.34 mm²       Material conductor wire     Strand dcopper wire, bare       Conductor tor sossection (wire)     0.34 mm²       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (win.wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire vire)     2.5 kV @ 60 s       Min. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     -40 °C       Max. operating temperature (statc)	· · · · · · · · · · · · · · · · · · ·	
Outer-diameter (jacket)     4,8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1,25 mm       Shore hardness wire insulation     1ed-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor rosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor rossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor rossection (wire)     0,34 mm²       Material conductor wire     Strande copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire wire)     2,5 kV @ 60 s </td <td></td> <td></td>		
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   5     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   164 free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor voressection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 02844     Current load capacity (standard)   to DIN VDE 02844     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Min. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation <t< td=""><td></td><td></td></t<>		
Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter lobrance core insulation     1 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2,5 kV @ 60 s       Advertial wine wire wire)     2,5 kV @ 60 s       Owner frequency withstand voltage (wire - 2,5 kV @ 60 s       Min. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     25 °C       Operating temperature min. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A		•
Amount wires   5     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   15 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   57 Ω km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - ispectrume)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   25 °C     Operating temperature (static)   50 °C / 90 °C @ 10000 h Operation     UV resistance		
Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (win- wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire- jacket)     2,5 kV @ 60 s       Power frequency withstand voltage (wire- jacket)     -40 °C       Max. operating temperature (static)     -40 °C       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1100		
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity win, wire     4,5 A       Electrical resistance line constant wire     57 D/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire- jacket)     2,5 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature (static)     -50 °C @ 10000 h Operation       Operating		
Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire- jacket)     40 °C       Max. operating temperature (static)     40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing <t< td=""><td></td><td></td></t<>		
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire- acket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fited)80 °C / 90 °C @ 10000 h OperationOperating temperature (fited)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN KISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing <t< td=""><td></td><td></td></t<>		
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Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - appertunce)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-r	-	· · · · · · · · · · · · · · · · · · ·
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Nominal Voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (static)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good,		
Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - ijacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance <td></td> <td></td>		
Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing		
Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   10 x Outer diameter <td< td=""><td></td><td></td></td<>		
AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (fixed)   10 x Outer diameter     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal		
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Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Flame resistance	
Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   No. of bending cycles (C-track) 10 Mio. @ 25 °C   Traversing distance (C-track) 10 m @ 25 °C   horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Oil resistance	Good, application-related testing   DIN EN 60811-404
No. of bending cycles (C-track) 10 Mio. @ 25 °C   Traversing distance (C-track) 10 m @ 25 °C   horizontal	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 10 m @ 25 °C   horizontal	Bending radius (dynamic)	10 x Outer diameter
	No. of bending cycles (C-track)	10 Mio. @ 25 °C
	Traversing distance (C-track)	10 m @ 25 °C   horizontal
i ravei speed (U-track) 3 m/s @ 25 °C	Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles 2 Mio.	No. of torsion cycles	2 Mio.

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**Torsion stress** 

Torsion speed

± 180 °/m 35 cycles/min

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